Attorney Docket No. 4035-0172PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:	ANTENNA DEVICE								
Fill in Appropriate	the specification of which is attached hereto. If not attached hereto, the application is identified by the attorney docket number as set								
Information -	forth above and/or the following: The specification was filed on April 22, 2005 as								
For Use Without	United States A	pplication Numb	er 10/532,298				;		
Specification	and amended o					_(if applicable) and/or		
Attached:	the specification was filed on October 25,2002					as PCT			
			PCT/JP2002/0111	31			and was		
	amended on April 22, 2003						plicable)		
	amended by any am I acknowledge Regulations, §1.56.	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations 6156.							
	I do not know a thereof, or patented year prior to this applicat date of this applica representative or as patent or inventor's application by me or I hereby claim to rinventor's certifica filing date before the second of the	I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows. I hereby claim foreign priority benefits under Title 35, United States Code, \$119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having							
Insert Priority	a filing date before that of the application on which priority is claimed: Prior Foreign Application(s)					Priority Claimed			
Information:									
(if appropriate)	(Number)	(Country)		(Month/Day/Year	r Filed)	Yes	No No		
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	(Number)	(Country)		(Month/Day/Year	r Filed)	∐ Yes	No		
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	(Number) (Country)			(Month/Day/Year	r Filed)	☐ Yes	□ No		
	I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.								
Insert Provisional Application(s):	(Application Numbe	r)		(Filing Date)	·				
(if any)									
	(Application Number) (Filing Date)								
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:								
	Country		Application Number	Date	of Filing (Month/	Dav/Year)			
Insert Requested Information: (if appropriate)	-								
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Insert Prior U.S.	(Application Number	-1	(Filing Date)			15	n.		
Application(s): (if any)	(Application Number	1)	(Filing Date)	(Stat	us - patented, pend	ling, abandone	ed)		
Page 1 of 2 (Rev. 05/2004)	(Application Number	r)	(Filing Date)	(State	us - patented, pend	ling, abandone	ed)		

I hereby appoint the practitioners at CUSTOMER NO. 02292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

CUSTOMER NO. 02292 (BIRCH, STEWART, KOLASCH & BIRCH, LLP) Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

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Full Name of First or Sole Inventor: Or Sole Inventor: Or Inventor Inventor Insert Date This Document is Signed	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
nsert Date This Document is Signed	MASATO TANAKA	Masaro Canapa	u	Desember 12,2005			
insert Residence insert Citizenship>	Residence (City, State & Country)		CITIZENSHII	10.1			
	Tokyo, JAPAN		JAPAN	714			
nsert Post Office Address →	MAILING ADDRESS (Complete Street Address including City, State & Country)						
	c/o NATIONAL INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY,INDEPENDENT ADMINISTRATIVE AGENCY,4-2-1, Nukui-Kitamachi, Koganei-shi, Tokyo 184-0015,JAPAN						
ull Name of Second Inventor, it any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
Inventor, if any:	JAE-HYEUK JANG	Toe- Hyoub Tong		December 12 2005			
	Residence (City, State & Country)	See I Be R. Joy	CITIZENSHII				
	Tokyo, JAPAN		Republic of Korea				
	MAILING ADDRESS (Complete Street Address in						
	c/o NATIONAL INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY, INDEPENDENT ADMINISTRATIVE AGENCY, 4-2-1, Nukui-Kitamachi, Koganei-shi, Tokyo 184-0015, JAPAN						
ull Name of Third	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	101170 101	DATE*			
Inventor, if any:	YOUNG-SIK KIM						
2 00	Residence (City, State & Country)		CITIZENSHII				
	Seoul, Republic of Korea			Republic of Korea			
	MAILING ADDRESS (Complete Street Address is c/o Korea University, 1, 5-Ga, Anal	ncluding City, State & Country)	01 Seoul I	Republic of Korea			
	2, 2 1022 1022 1022 1024 1024		or beout, .	tepublic of Rolea			
ull Name of Fourth Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
4 = to	BYUNG SUN PARK			•			
,	Residence (City, State & Country)		CITIZENSHII				
	Seoul, Republic of Korea		Republic o	of Korea KIX			
	MAILING ADDRESS (Complete Street Address including City, State & Country) c/o Korea University, 1, 5-Ga, Anam-dong, Sungbuk-gu, 131-701 Seoul, Republic of Korea						
		J J					
ull Name of Fifth Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
Inventor, if any:	GIVEN NAME/FAMILY NAME Residence (City, State & Country)	INVENTOR'S SIGNATURE	CITIZENSHII				
Inventor, if any:	,	INVENTOR'S SIGNATURE	CITIZENSHII				
Inventor, if any:	,		CITIZENSHII				
Inventor, if any:	Residence (City, State & Country)		CITIZENSHII				
Inventor, if any:	Residence (City, State & Country)		CITIZENSHII				
Inventor, if any: see above ull Name of Sixth Inventor, if any:	Residence (City, State & Country) MAILING ADDRESS (Complete Street Address in	ncluding City, State & Country)	CITIZENSHII	DATE*			
Inventor, if any: see above ull Name of Sixth Inventor, if any:	Residence (City, State & Country) MAILING ADDRESS (Complete Street Address in GIVEN NAME/FAMILY NAME	ncluding City, State & Country)		DATE*			
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Page 2 of 2 (Rev. 05/2004)

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sert Date This Document is Signed	MASATO TANAKA						
sert Residence	Residence (City, State & Country)		CITIZENSHI	P			
sert Citizenship →	Tokyo, JAPAN		JAPAN				
sert Post Office Address →	MAILING ADDRESS (Complete Street Address i	TION AND COMMUNICATIONS T	ECHNOLOGY, I	NDEPENDENT			
il Name of Second	ADMINISTRATIVE AGENCY, 4-2-1, Nukui		Tokyo 184-				
Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
	JAE-HYEUK JANG			<u> </u>			
	Residence (City, State & Country)		CITIZENSHI	P			
1	Tokyo, JAPAN		Republic	of Korea			
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	ADMINISTRATIVE AGENCY, 4-2-1, Nukui	-Kitamachi, Koganei-shi,	Tokyo 184-	0015,JAPAN			
ill Name of Third Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
see above	YOUNG-SIK KIM	141.1C	—	Dec. 9.2005			
ı	Residence (City, State & Country)		CITIZENSHI				
,	Seoul, Republic of Korea	•	Republic	of Korea			
	MAILING ADDRESS (Complete Street Address i c/o Korea University, 1, 5-Ga, Ana	ncluding City, State & Country) m-dong, Sungbuk-gu, 131-7	701 Seoul,	Republic of Korea			
Il Name of Fourth	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
Inventor, if any: see above	BYUNG SUN PARK	111111111111111111111111111111111111111		DATE			
	Residence (City, State & Country)	<u> </u>	CITIZENSHI	P			
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			•	Republic of Rorea			
ll Name of Fifth Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
	GIVEN NAME/FAMILY NAME	,					
Inventor, if any:	GIVEN NAME/FAMILY NAME Residence (City, State & Country)	,	CITIZENSHII	DATE*			
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Inventor, if any:	Residence (City, State & Country)	INVENTOR'S SIGNATURE		DATE*			
Inventor, if any: see above See above U Name of Sixth inventor, if any:	Residence (City, State & Country) MAILING ADDRESS (Complete Street Address in	INVENTOR'S SIGNATURE ncluding City, State & Country)		DATE*			
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Inventor → Inventor → Insert Date This Document is Signed	MASATO TANAKA						
Insert Residence	Residence (City, State & Country)		CITIZENSHIP				
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Insert Post Office Address	MAILING ADDRESS (Complete Street Address including City, State & Country) c/o NATIONAL INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY, INDEPENDENT ADMINISTRATIVE AGENCY, 4-2-1, Nukui-Kitamachi, Koganei-shi, Tokyo 184-0015, JAPAN						
Full Name of Second Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
see above	JAE-HYEUK JANG						
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Full Name of Third Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*			
see above	YOUNG-SIK KIM						
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see above	BYUNG SUN PARK	AN RIGHT		12-09-20-5			
	Residence (City, State & Country)		CITIZENSHII	, , , , , , , , , , , , , , , , , , , ,			
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